

## PATENT ABSTRACTS OF JAPAN

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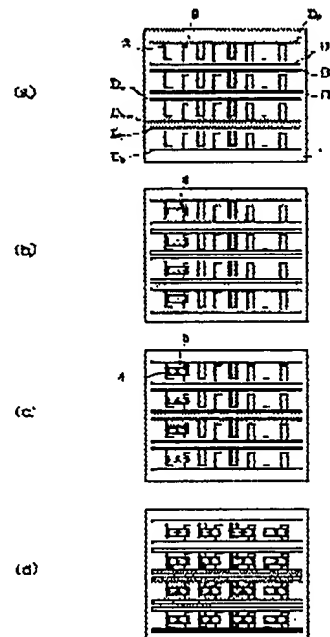
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## (54) ELECTRON SOURCE, IMAGE FORMING DEVICE AND THEIR MANUFACTURING METHOD AND MANUFACTURING DEVICE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To improve a dispersion of electron emission characteristics of each element, in an electron source composed by arranging electron-emissive elements both in plural rows and in plural columns.

**SOLUTION:** This manufacturing method is so composed that conductive films 4 and electron-emissive parts 5 are formed in all elements, by repeating, per each element column, such a process that wiring, D1 to D8, and element electrodes, 2 and 3, are formed on a substrate 1, and then the conductive films 4 are formed in the elements in the first column, and also the electron-emissive parts 5 are formed by applying a voltage to each wiring and by performing a forming treatment to the conductive films 4.



## LEGAL STATUS

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